

## CONTENTS

Introduction . . . . .	1
H. Hahn	
Existence Criteria for Bifurcations as Stability . . . . .	3
Criteria for Critical Nonlinear Control Systems	
G. Palm	
Asymptotic System Analysis and Goal Functions . . . . .	51
O.E. Rössler and P.J. Ortoleva	
Strange Attractors in 3-Variable Reaction Systems . . . . .	67
W.U. an der Heiden	
Structures of Excitation and Inhibition . . . . .	75
T. Poggio and V. Torre	
A new Approach to Synaptic Interactions . . . . .	89
W. Reichardt	
Figure-Ground Discrimination by the Visual System of the Fly	117
M. Conrad	
Evolution of the Adaptive Landscape . . . . .	147
V. Braatenberg	
Cell Assemblies in the Cerebral Cortex . . . . .	171
D. Varjú	
Excitatory and Inhibitory Processes Giving Rise to the Delayed Response in the Retinal Ganglion Cell of the Frog	189
R. Heim	
On Constrained Transinformation Functions . . . . .	209
M. Dal Cin	
Self-Diagnosis of Interactive Systems . . . . .	229